AUTODOC CLUB

How to change front brake caliper on **Mercedes W203** – replacement guide

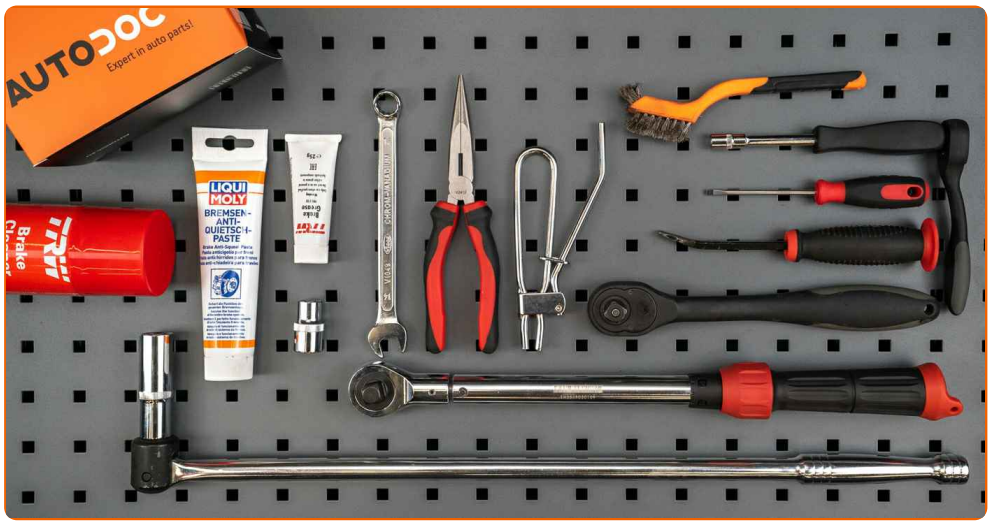
VIDEO TUTORIAL

Important!

This replacement procedure can be used for:
MERCEDES-BENZ C-Class T-modell (S203) C 220 CDI (203.208), MERCEDES-BENZ C-Class Saloon (W203) C 180 (203.035), MERCEDES-BENZ C-Class Saloon (W203) C 200 Kompressor (203.045), MERCEDES-BENZ C-Class Saloon (W203) C 240 (203.061), MERCEDES-BENZ C-Class Saloon (W203) C 200 CDI (203.004), MERCEDES-BENZ C-Class Saloon (W203) C 220 CDI (203.006), MERCEDES-BENZ C-Class Coupe (CL203) C 180 (203.735), MERCEDES-BENZ C-Class Coupe (CL203) C 200 Kompressor (203.745), MERCEDES-BENZ C-Class Coupe (CL203) C 220 CDI (203.706), MERCEDES-BENZ C-Class T-modell (S203) C 200 CDI (203.204), MERCEDES-BENZ C-Class T-modell (S203) C 220 CDI (203.206), MERCEDES-BENZ C-Class T-modell (S203) C 200 CDI (203.204, 203.207), MERCEDES-BENZ CLK Coupe (C209) 200 1.8 Kompressor (209.342), MERCEDES-BENZ CLK Coupe (C209) 200 CGI 1.8 (209.343), MERCEDES-BENZ C-Class Saloon (W203) C 180 Kompressor (203.046), (+ 23)

The steps may slightly vary depending on the car design.

REPLACEMENT: BRAKE CALIPER – MERCEDES W203. LIST OF THE TOOLS YOU'LL NEED:



- Wire brush
- Brake cleaner
- Anti-squeal paste
- Copper grease
- Brake caliper guide pins grease
- Drive socket # E8
- Drive socket # 12
- Combination spanner №14
- Ratchet wrench
- Torque wrench
- Round-nose pliers
- Fluid container
- Wheel impact socket #17
- Crow bar
- Brake hose clip
- Wheel chock

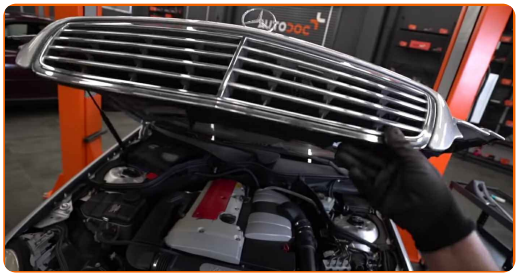
BUY TOOLS

Replacement: brake caliper – Mercedes W203. AUTODOC experts recommend:

- The replacement procedure is identical for the left and right brake calipers on the same axle.
- All work should be done with the engine stopped.

REPLACEMENT: BRAKE CALIPER – MERCEDES W203. USE THE FOLLOWING PROCEDURE:

1 Open the bonnet.



2 Unscrew the brake fluid reservoir cap.

3 Secure the wheels with chocks.

4 Loosen the wheel mounting bolts. Use wheel impact socket #17.

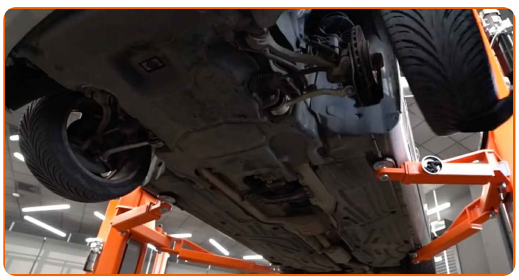
5 Raise the front of the car and secure on supports.

6 Unscrew the wheel bolts.

AUTODOC recommends:

- Important! Hold the wheel while unscrewing the fastening bolts. Mercedes W203

7 Remove the wheel.

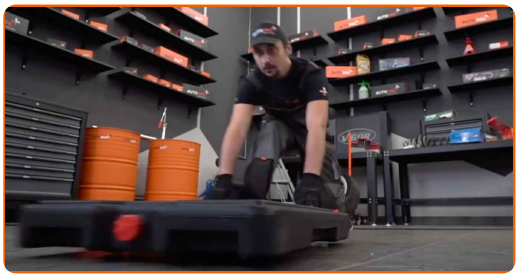


8 Disconnect the brake pad wear sensor plug. Remove the connector of the brake pad wear sensor. Use round-nose pliers.

Please note!

- Some cars are not equipped with the brake pad wear sensor.

9 Put a container for gathering brake fluid beneath.

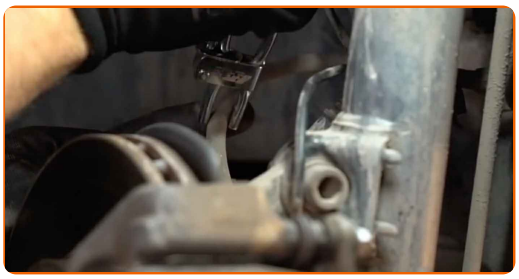


10 Clean the area where the brake hose is connected to the caliper, and the guide pins area. Use a wire brush. Use a brake cleaner.

Replacement: brake caliper – Mercedes W203. Tip:

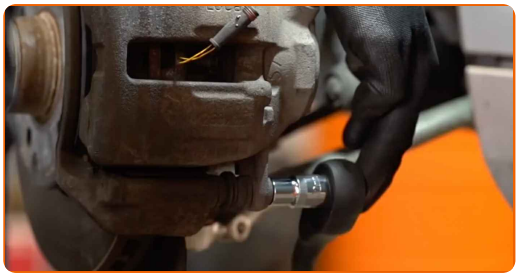
- After applying the spray, wait a few minutes.

11 Clamp the brake hose off using a brake hose clamp.



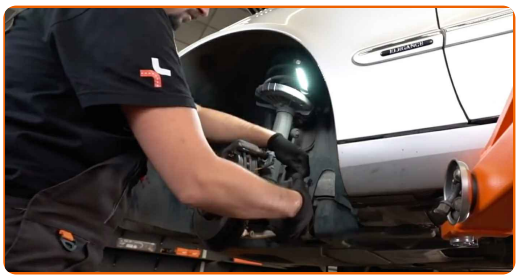
12 Loosen the brake hose fastening. Use a combination spanner #14.

13 Unscrew the brake caliper fastening. Use a drive socket #12. Use a ratchet wrench.



14 Spread the brake pads. Use a crowbar.

15 Remove the brake caliper.

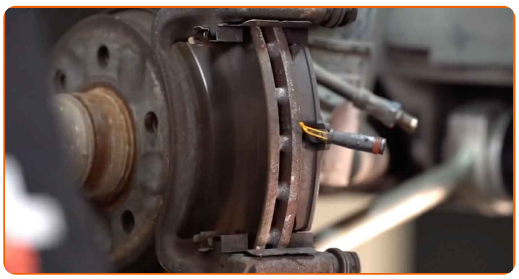


16 Unscrew the brake hose from the brake caliper.

Replacement: brake caliper – Mercedes W203. AUTODOC recommends:

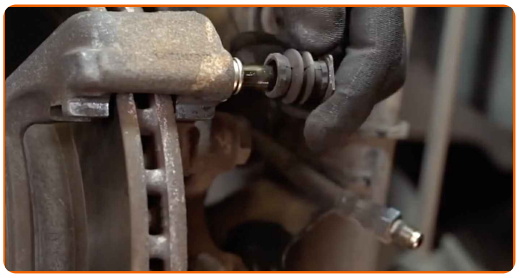
- When replacing the brake caliper, it is recommended to check the brake hose for damages and, if necessary, to replace it with a new one.
- When replacing a brake caliper it is recommended to replace brake pads, check the state of the brake discs and replace them with new ones if necessary.

17 Remove the brake pads.

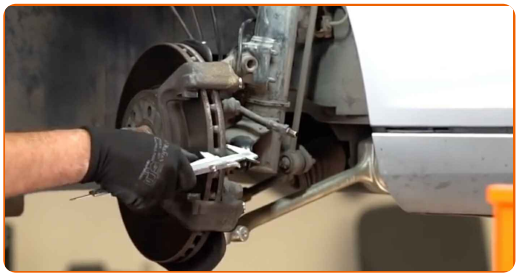


18 Remove caliper guide pins.

19 Remove the guide pins from the brake caliper.



20 Measure the brake disc thickness. Upon reaching the wear limit the part must be replaced.

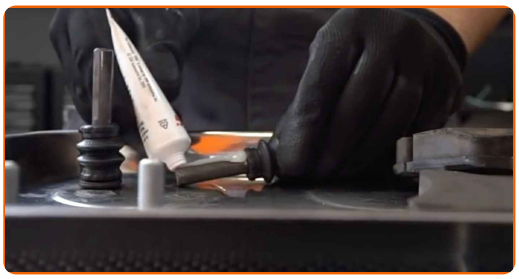


21 Clean old grease and rust stains, if there are any, from the caliper guide pins and guide pin boots. Use a brake cleaner.

AUTODOC recommends:

- Replacement: brake caliper – Mercedes W203. After applying the spray, wait a few minutes.

22 Treat the brake caliper guide pins. Use the brake caliper guide pin grease.



Replacement: brake caliper – Mercedes W203. AUTODOC experts recommend:

- If no new guide pins were supplied in a kit with the new brake calipers, use the old pins.

23 If going to use the old brake pads, clean them. Use a wire brush. Use a brake cleaner.

Replacement: brake caliper – Mercedes W203. Tip from AUTODOC:

- After applying the spray, wait a few minutes.

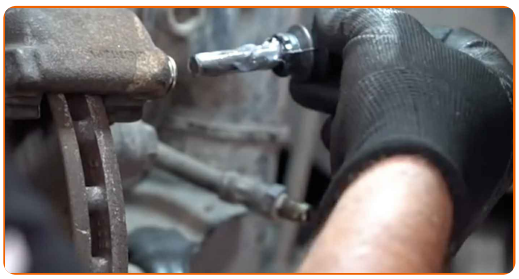
24 Clean the brake caliper bracket from dirt and dust. Use a wire brush. Treat the brake caliper bracket. Use a brake cleaner.

AUTODOC recommends:

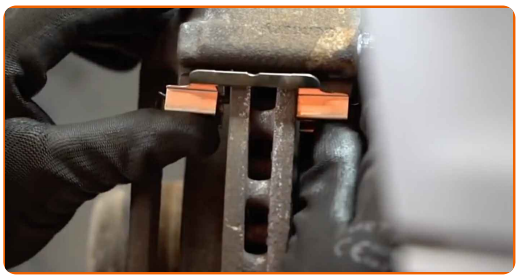
- Replacement: brake caliper – Mercedes W203. After applying the spray, wait a few minutes.

25 Treat the contact surfaces between the brake pads and the brake caliper bracket. Use anti-squeal paste.

26 Install the guide pins into the brake caliper bracket.



27 Install new pad guide pins.

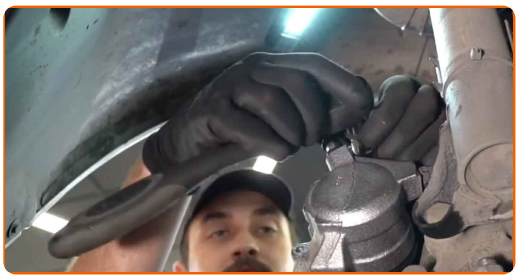


28 Install the brake pads.

29 Install the brake hose to the new brake caliper.

30 Install the caliper.

31 Screw in the brake caliper fasteners.



Replacement: brake caliper – Mercedes W203. Tip from AUTODOC experts:

- Hold up the brake caliper.

32 Tighten the brake caliper fasteners. Use a drive socket #12. Use a torque wrench. Tighten it to 25 Nm torque.

33 Tighten the brake hose fastener. Use a combination spanner #14. Use a torque wrench. Tighten it to 18 Nm torque.

34 Remove the brake hose clamp.

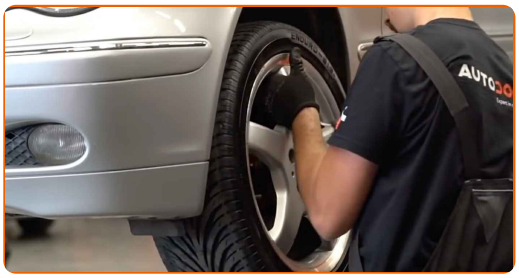
35 Connect the brake pad wear sensor plug.

Replacement: brake caliper – Mercedes W203. Professionals recommend:

- Bleed the brake caliper system.

36 Clean the hub. Use a wire brush. Treat the surface where the brake disc contacts the wheel rim. Use copper grease.

37 Install the wheel.



AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. Mercedes W203

38 Screw in the wheel bolts. Use wheel impact socket #17.

39 Lower the car and working in a cross order, tighten the wheel bolts. Use a torque wrench. Tighten it to 110 Nm torque.

40 Remove the jacks and chocks.

AUTODOC recommends:

- Check the brake fluid level in the expansion tank and refill if necessary.

41 Tighten the brake fluid reservoir cap.

42 Close the hood.

WELL DONE!

VIEW MORE TUTORIALS

AUTODOC — TOP QUALITY AND AFFORDABLE CAR PARTS ONLINE

AUTODOC MOBILE APP: GREAT DEALS AND CONVENIENT SHOPPING

A GREAT SELECTION OF SPARE PARTS FOR YOUR CAR

BUY SPARE PARTS FOR MERCEDES

BRAKE CALIPER: A WIDE SELECTION

CHOOSE CAR PARTS FOR MERCEDES W203

BRAKE CALIPER FOR MERCEDES: BUY NOW

BRAKE CALIPER FOR MERCEDES W203: THE BEST DEALS & OFFERS

ⓘ DISCLAIMER:

The document contains only general recommendations that may be useful for you when you perform repair or replacement work. AUTODOC shall not be liable for any loss, injury, damage of property occurring in the repair or replacement process due to incorrect use or misinterpretation of the provided information.

AUTODOC shall not be liable for any possible mistakes and uncertainties in this guide. The information provided is for information purposes only and cannot replace advice from specialists.

AUTODOC shall not be liable for incorrect or hazardous usage of equipment, tools and car parts. AUTODOC strongly recommends to be careful and observe the safety rules when performing repair or replacement works. Remember: usage of low quality auto parts does not guarantee you the appropriate level of road safety.

© Copyright 2021 – All the contents of this website, in particular texts, photographs and graphics, are protected by copyright. All rights, including reproduction, publication, editing and translation rights, are reserved by AUTODOC GmbH.